

Q1 drawbacks mentioned above. For example the representation of a stroke will correspond to a distribution of the luminance having the shape of a Gaussian in a direction transverse to this stroke, and this will give the desired thickness for good visibility and will "erase" the staircase effects. Numerous distribution laws which make it possible to tackle most of the situations encountered are currently known. In this basic patent, the processing corresponding to the use of these microregions, often referred to as filtering, is performed in a processing unit known as a "UMIP", standing for microregion unit, placed between the pixel memory and the matrix screen. This implies that the digital processing is performed on all the pixels, thus requiring particularly considerable computational power.

Page 3, at lines 4-17, please delete the paragraph and replace it with the following paragraph:

In a French patent application filed on 23 August 1990 under No. 90 10587, published on 3 February 1995 under No. 2 666 165, and granted via the European channel on 26 April 1995 under No. 0472463, and corresponding to U.S. 5,287,451, the company SEXTANT Avionique proposed that the processing defining the microregions be performed by placing the UMIP performing this processing ahead of the image memory. The throughput of the processing in this UMIP is thus much lower, since it corresponds only to the dot actually displayed, but on the other hand the size of the image memory must be much larger, since it is necessary to store n times the set of pixels of the screen, n being equal to the number of pixels contained in a microregion.

IN THE CLAIMS

Please cancel Claims 1-4 without prejudice.

Please add new Claims 5-14 as follows: